

Foundations in Algebra 1 Pacing Guide 2016-17 (revised 2/6/17)

Months	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Courses	Algebra 1a/Algebra 1b									
UNITS	Unit 1: Relationships between Quantities		Unit 2 Linear Relationships			Unit 3 Exponential and Quadratic Relationships			Unit 4 Statistics and Probability	
CHAPTERS	Chapter 1 Linear Equations		Chapter 2: Linear Inequalities		Chapter 3: Linear Functions		Chapter 4: Equations of Linear Functions		Chapter 5: Systems of Equations & Inequalities	
LESSONS TOPICS	Writing Equations (A.CED.1) One-Step Equations (A.REI.1, A.REI.3) Multi-Step Equations (A.REI.1, A.REI.3) Variables on Both Sides (A.REI.1, A.REI.3) Equations Involving – Absolute Value (A.REI.1, A.REI.3) Ratios & Proportions (A.REI.1, A.REI.3) Percent of Change (N.Q.1, A.REI.3) Literal Equations and Dimensional Analysis (Solve Formulas) (A.CED.4, A.REI.3) *Weighted Averages (A.REI.1, A.REI.3)	Solving Inequalities -Addition & Subtraction (F.IF.4, F.IF.7A) -Multiplication & Division (A.CED.1, A.REI.3) -Multi-Step Inequalities (A.CED.1, A.REI.3) -Compound Inequalities (A.CED.1, A.REI.3) Graphing Inequalities w/ Two Variables (A.CED.3, A.REI.12) W/Graphing Calculator (5)	Graphing Linear Equations (F.IF.7A, S.ID.7) Solving Linear Equations by Graphing (A.CED.10, F.IF.7A) W/Graphing Calculator (5) Rate of Change(Slope) (F.IF.6, F.LE.1A) Direct Variation & Inverse Variation (A.REI.10, F.IF.7A) Arithmetic Sequences (F.BF.2, F.LE.2) Proportional and Nonproportional Relationships (F.LE.1B, F.LE.2)	Graphing Equations in Slope-Intercept Form (F.IF.7A, S.ID.7) W/Graphing Calculator (5) Writing Equations - In Slope-Intercept Form (F.BF.1, F.LE.2) - Standard Form (F.BF.1, F.LE.2) - Point- Slope Form (F.BF.1, F.LE.2) Parallel and Perpendicular Lines (F.LE.2, S.ID.7) Scatter Plots & Line of Fit (S.ID.6A, S.ID.6C) Regression and Median-Fit Line (S.ID.6, S.ID.8) Inverse Linear Functions (A.CED.2, F.BF.4A)	Graphing Systems of Equations (A.CED.3, A.REI.6) W/Graphing Calculator (5) Solving Systems by -Substitution (A.CED.3, A.REI.6) -Standard Form (F.BF.1, F.LE.2) - Point- Slope Form (F.BF.1, F.LE.2) Parallel and Perpendicular Lines (F.LE.2, S.ID.7) Scatter Plots & Line of Fit (S.ID.6A, S.ID.6C) Regression and Median-Fit Line (S.ID.6, S.ID.8) Inverse Linear Functions (A.CED.2, F.BF.4A)	Multiplication Properties of Exponents (A.SSE.2, F.IF.8B) Division Property of Exponents (A.SSE.2, F.IF.8B) Solving Systems by -Substitution (A.CED.3, A.REI.6) -Standard Form (F.BF.1, F.LE.2) - Point- Slope Form (F.BF.1, F.LE.2) Parallel and Perpendicular Lines (F.LE.2, S.ID.7) Scatter Plots & Line of Fit (S.ID.6A, S.ID.6C) Regression and Median-Fit Line (S.ID.6, S.ID.8) Inverse Linear Functions (A.CED.2, F.BF.4A)	Polynomials -Adding & Subtracting (A.SSE.1A, A.APR.1) -Multiplying by a Monomial (A.APR.1) -Special Products (A.APR.1) -Distributive Property (A.SSE.2, A.SSE.3A) Solving $x^2 + bx + c = 0$ (A.SSE.3A, A.REI.4B) Solving $ax^2 + bx + c = 0$ (A.SSE.3A, A.REI.4B) Difference of Squares (A.SSE.3A, A.REI.4B) Growth and Decay (F.IF.8B, F.LE.2) Geometric Sequences (F.BF.2, F.LE.1) Recursive Formulas (F.IF.3, F.BF.2)	Graphing Quadratic Functions (F.IF.4, F.IF.7A) Solving Quadratic Equations by Graphing (A.REI.4B, F.IF.7A) W/Graphing Calculator (f.IF.7A, F.BF.3) Transformation Of Quadratics (A.SSE.3B, F.IF.7A) W/Graphing Calculator (A.REI.7, F.IF.8A) Solving by Completing the Square (A.REI.4, F.IF.8A) Quadratic Formula (A.REI.4) Analyzing Functions with Successive Differences (F.IF.6, F.LE.1) W/Graphing Calculator (F.LE.2, S.ID.6A) Special Functions (F.IF.4, F.IF.7B)	Measures of Center and Variation (S.ID.3) Box and Whisker Plots (S.ID.1) (S.ID.3) Shapes and Distributions (S.ID.3) (S.ID.1) (S.ID.2) Two Way Tables (S.ID.5) Choosing Data Display (S.ID.1)	
RESOURCES	Glencoe 1998 Ch. 3 & 4 3-1, 3-2, 3-3, 3-5, 3-6, 4-1 4-4, 4-5, 4-7 Glencoe 2012 Ch.2	Glencoe 1998	Glencoe 1998 Ch. 4 5-4, 4-8, 6-1, Glencoe 2012 Ch.3	Glencoe 1998	Glencoe 1998	Glencoe 1998	Glencoe 1998	Glencoe 1998	Big Ideas Math Algebra 1 Chapter 11 Glencoe 2012 Ch.9	Glencoe 2012 Ch.12